

# Kuei-Hsiang Huang

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## RESEARCH INTERESTS

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High-Performance Computing, Computational Linear Algebra, Scientific Machine Learning

## EDUCATION

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### Ph.D. in Computer Engineering

*University of California, Irvine*  
*Advisor: Aparna Chandramowlishwaran*

Sep. 2024 – Present

### Bachelor of Science in Mathematics

*National Tsing Hua University, Hsinchu, Taiwan*

Sep. 2019 – June. 2023

## RESEARCH EXPERIENCE

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### Research Assistant

*Scientific Computing On Parallel Environment Lab, National Tsing Hua University*  
*-Advisor: Prof. Che-Rung, Lee*

Sep. 2022 – Feb. 2024

### Research Assistant

*Research Center for Information Technology Innovation, Academia Sinica, Taipei, Taiwan*  
*-Supervised by Dr. Tung Chou*

Oct. 2021 – Dec. 2022

## PUBLICATIONS

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**Kuei-Hsiang Huang**, Cheng-Yu Sie, Jhong-En Lin, and Che-Rung Lee (2024). “LPSD: Low-rank Plus Sparse Decomposition for Highly Compressed CNN Models”. In: *Pacific-Asia Conference On Knowledge Discovery And Data Mining*.

## WORK EXPERIENCE

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### AI Engineer Intern

*GliaCloud Co., Ltd.*

Feb. 2023 – Feb. 2024

## TEACHING EXPERIENCE

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### Teaching Assistant of Introduction to Programming I

*Department of mathematics, National Tsing Hua University, Hsinchu, Taiwan*

Sep. 2022 – Jan. 2023

## HONORS & AWARDS

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### Professor Chao-Liang Shen Memorial Scholarship

*Department of mathematics, National Tsing Hua University*

Dec. 2022

- Award of best improvement in GPA among the junior students in the mathematics department.